

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4026 - L2 Version 3
Chandra X-Ray Center

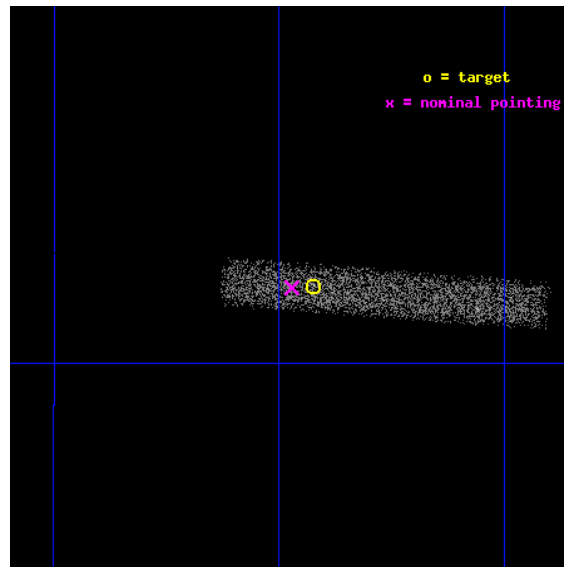
L2 Processing Date : Oct 18 2012

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1 Front

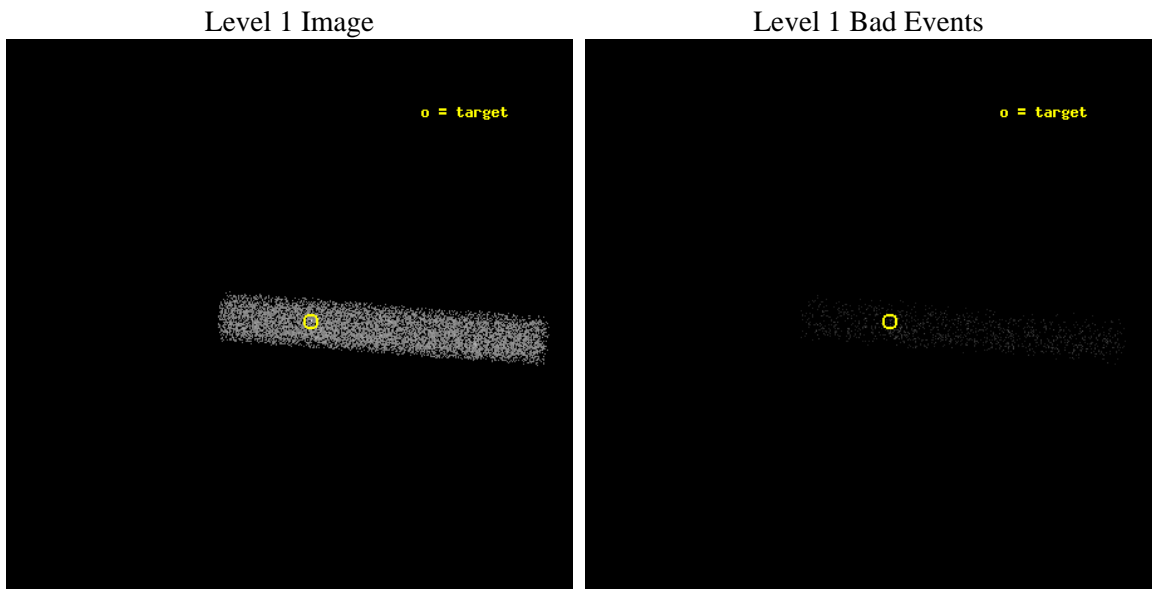
seq_num	700705	Sequence number
obs_id	4026	Observation id
title	CHANDRA OBSERVATION OF HS 1603+3820 - A BRIGHT, HIGH REDSHIFT QUASAR WITH VERY RICH ASSOCIATED ABSORPTION	Proposal title
observer	DR. ADAM DOBRZYCKI	Principal investigator
object	HS 1603+3820	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.230833	Observer's specified target RA [deg]
dec_targ	38.200389	Observer's specified target Dec [deg]
ra_nom	241.24308193456	Nominal RA [deg]
dec_nom	38.199409983075	Nominal Dec [deg]
roll_nom	4.3234896467994	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9146.4001362622	Sum of GTIs [s]
livetime	8295.3021370054	Livetime [s]
ontime7	9146.4001362622	Sum of GTIs [s]
l2events	5833	Number of level 2 events



2 OBI

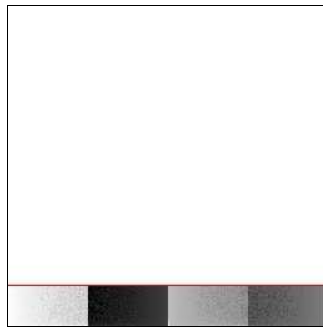
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9146.4001362622	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	9146.4001362622	Sum of GTIs [s]
date	2012-10-18T06:24:31	Date and time of file creation	l1events	13389	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

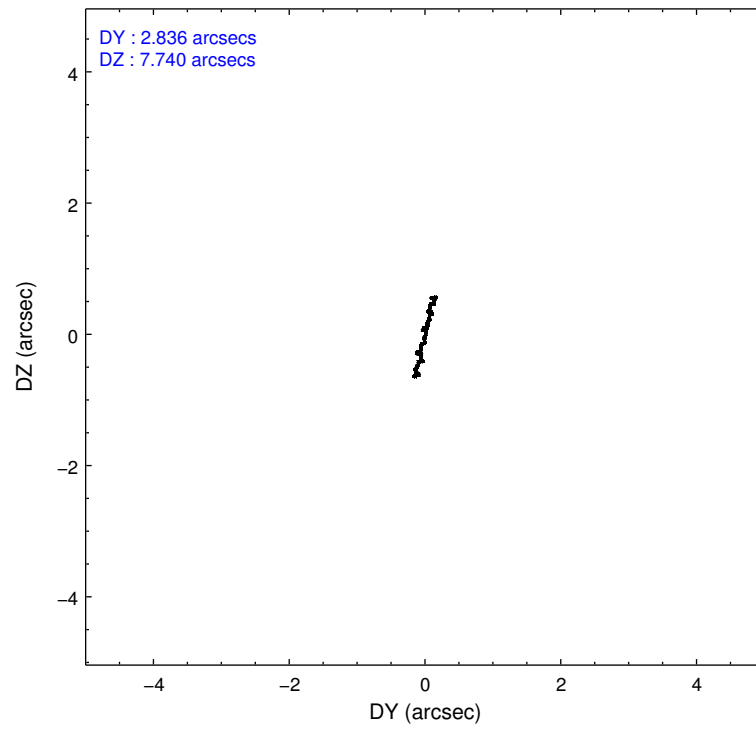
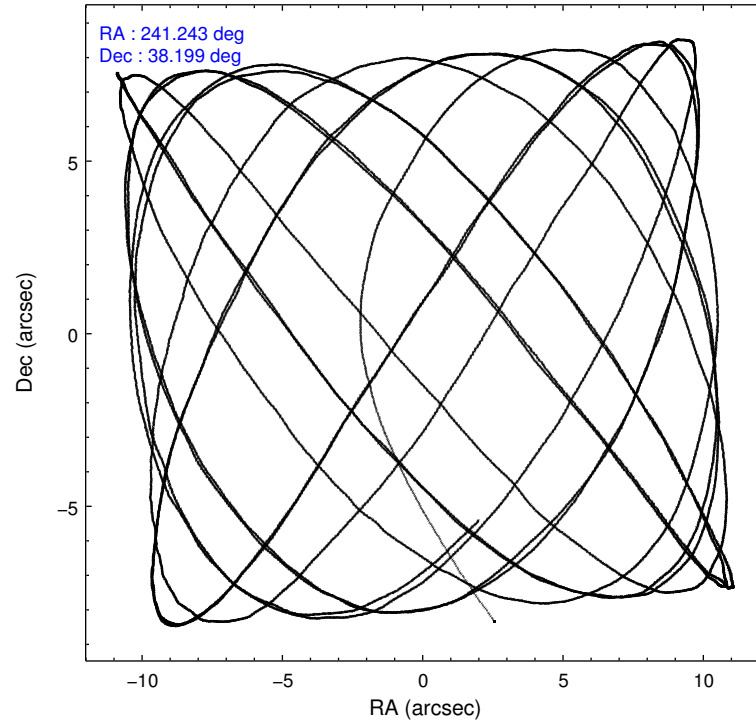
	ccd 7
level 1 events	13389
rejected events	7416
rejected %	55%

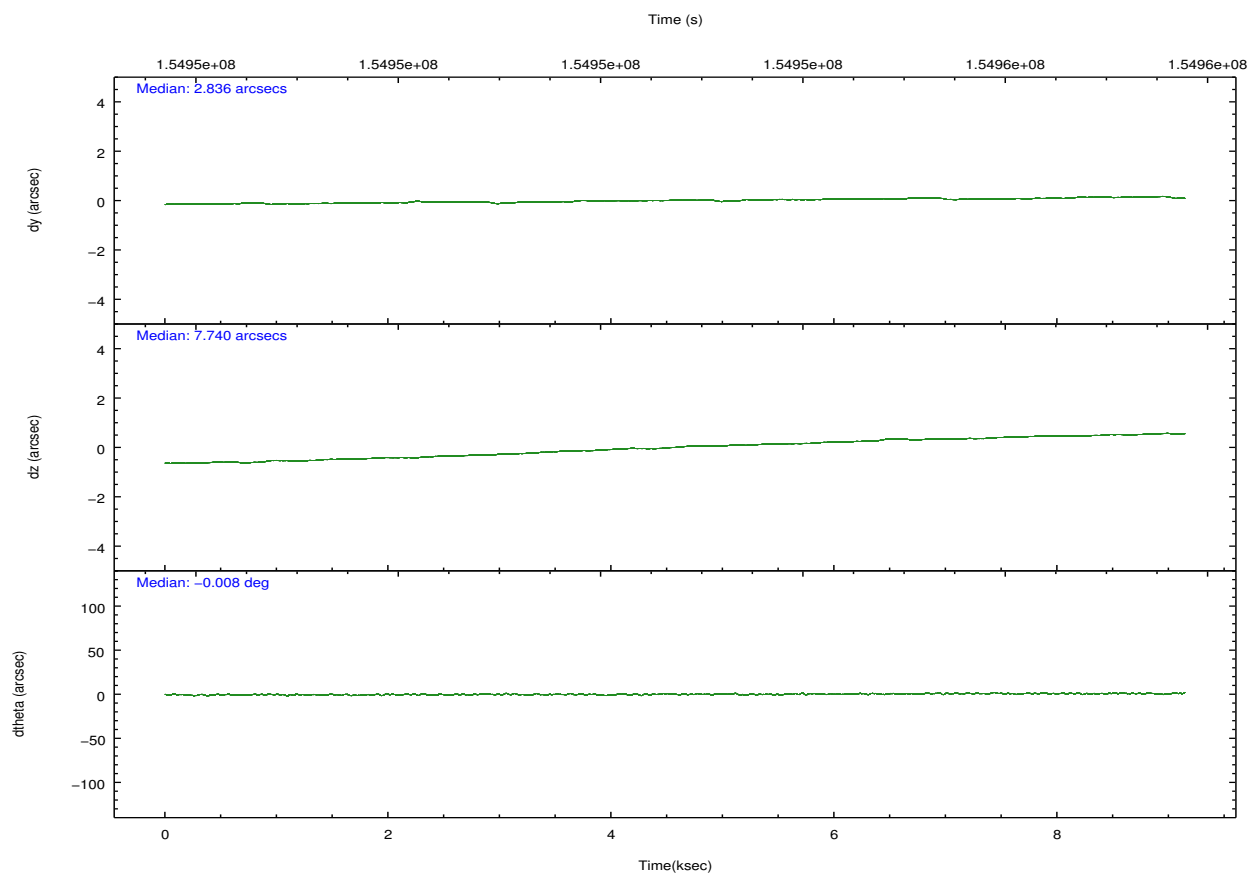
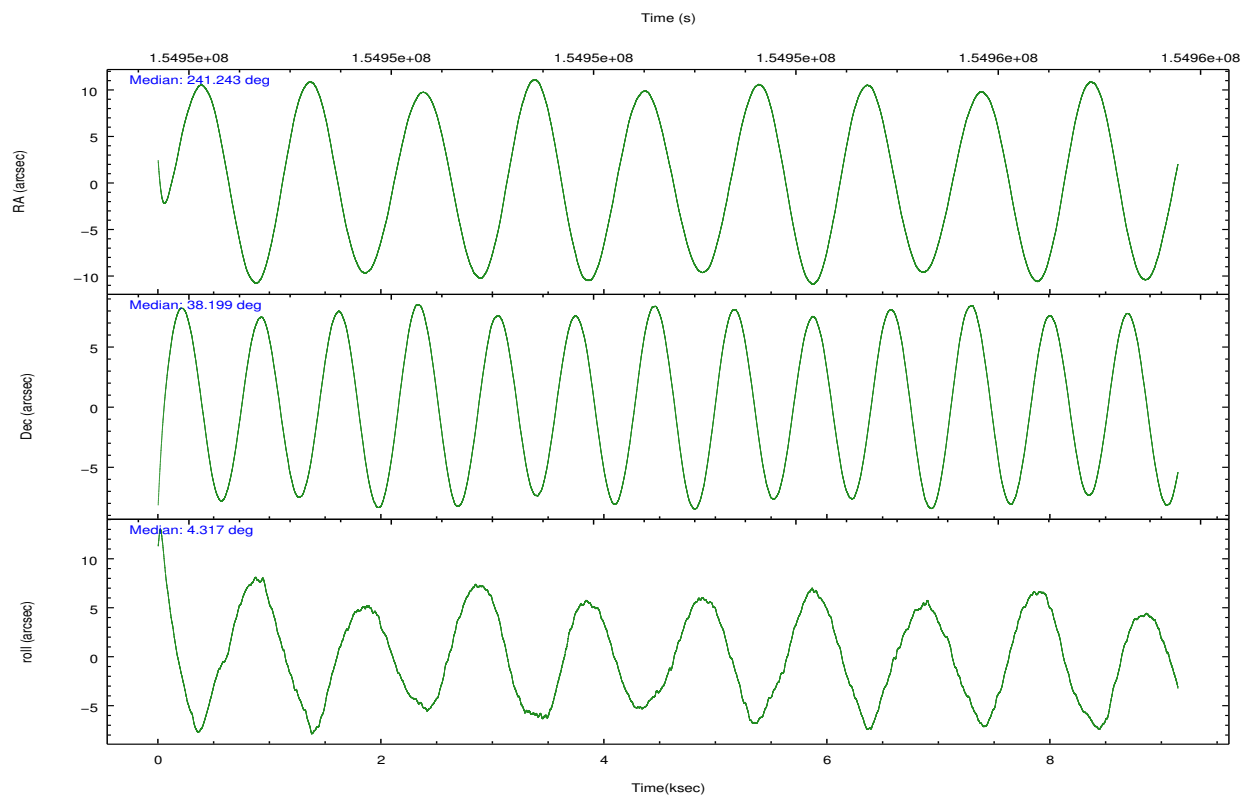
	ccd 7
grade 0 events	934
	6%
grade 1 events	16
	0%
grade 2 events	1361
	10%
grade 3 events	838
	6%
grade 4 events	809
	6%
grade 5 events	980
	7%
grade 6 events	3658
	27%
grade 7 events	4793
	35%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	241.214732	241.2430819345646	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	38.183758	38.19940998307537	Subarray start row	1	1
[deg] Pointing Roll	4.184381	4.32348964679935	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-179.422523	-179.41902560402			
[mm] SIM translation stage offset	-10.71	-10.71349697898776			
[s] Observation start time (MET)	154948309.184000	154947318.43713			
Observation start date	2002-11-29T09:10:45	2002-11-29T08:55:18			
[s] Observation end time (MET)	154957309.184000	154958243.40008			
Observation end date	2002-11-29T11:40:45	2002-11-29T11:57:23			
Read mode	TIMED	TIMED			

2.3 Aspect



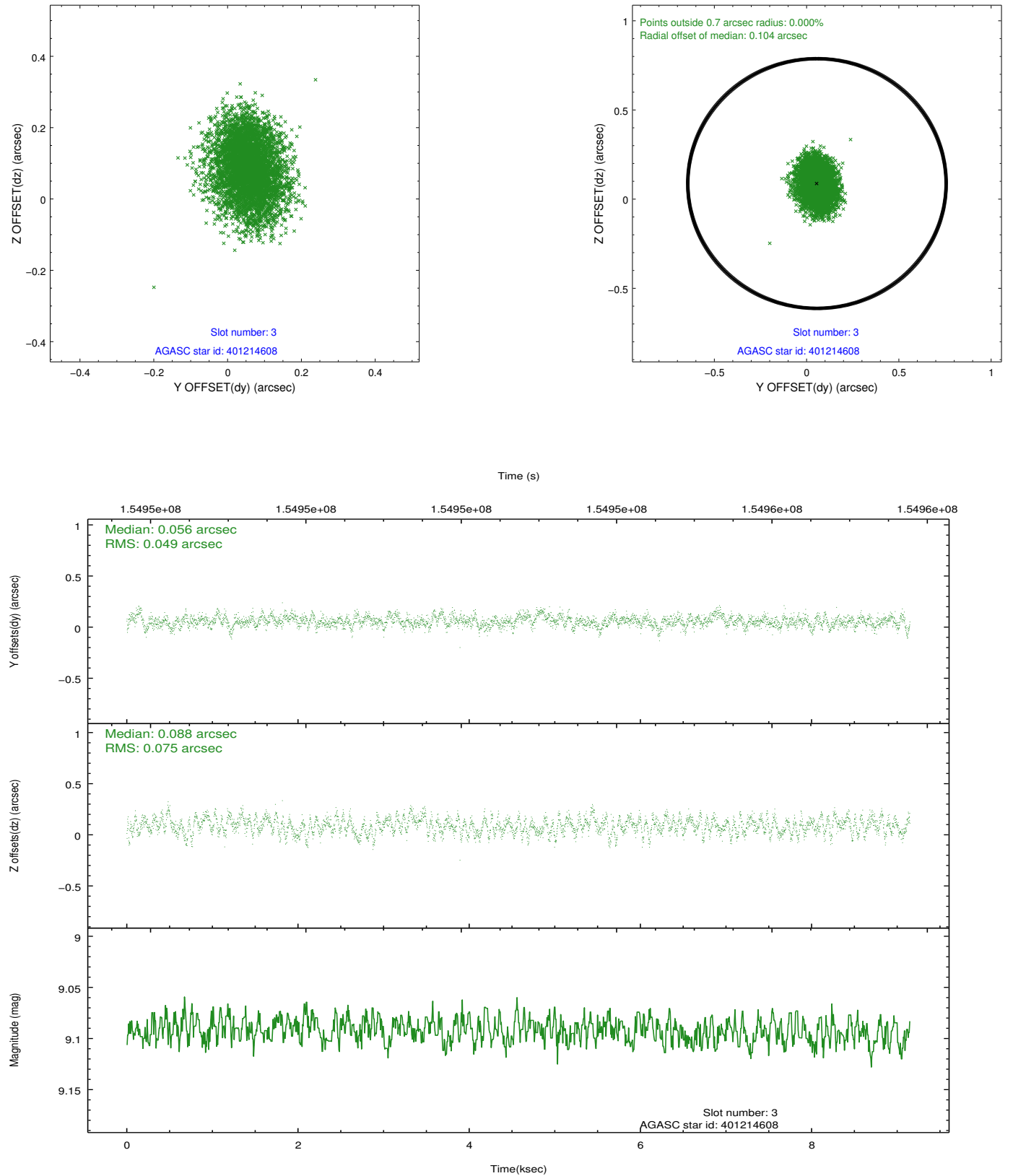


Slot Statistics

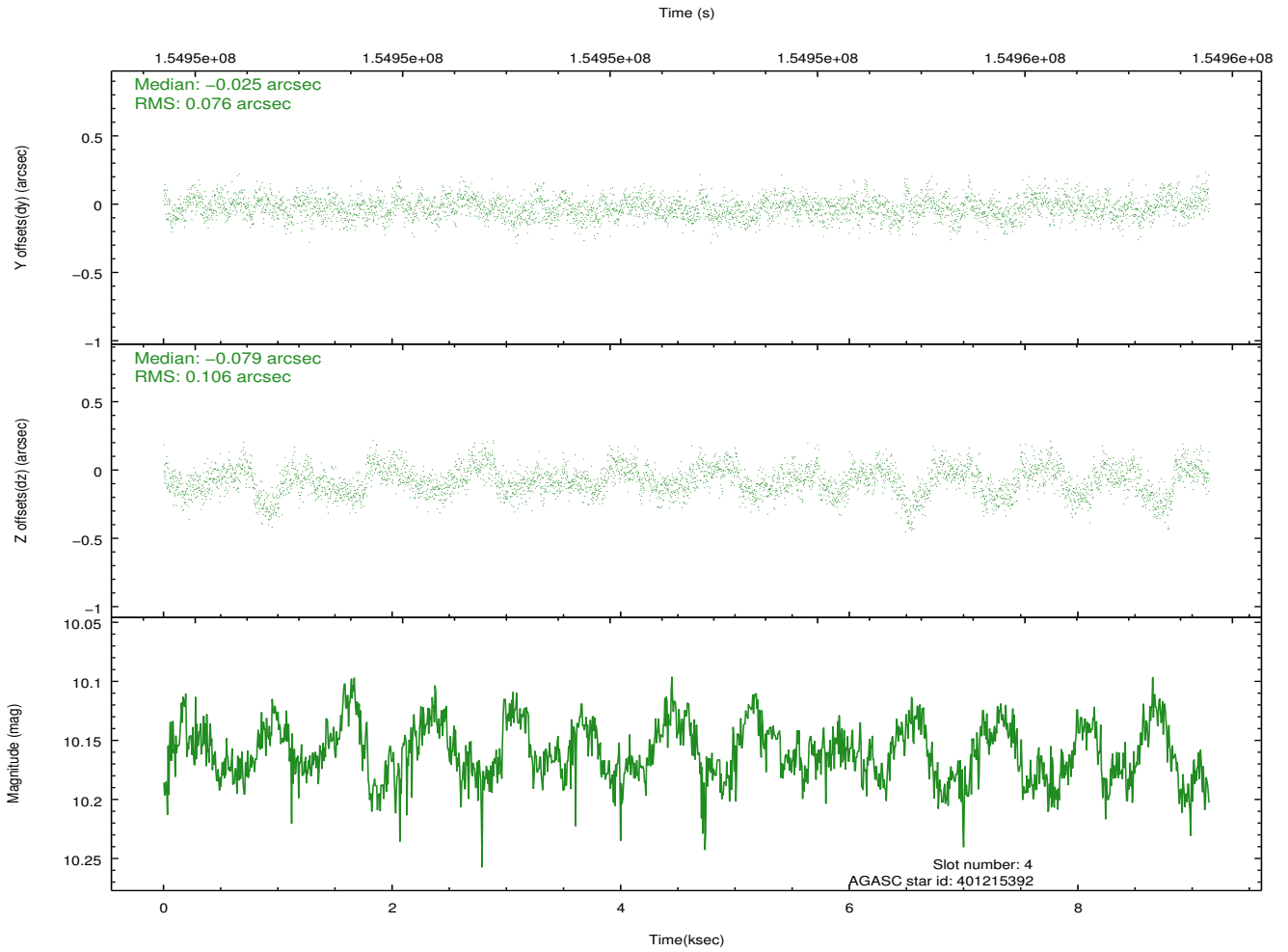
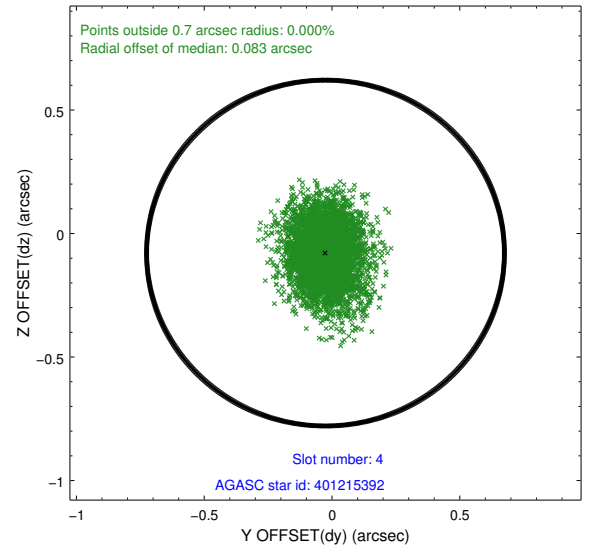
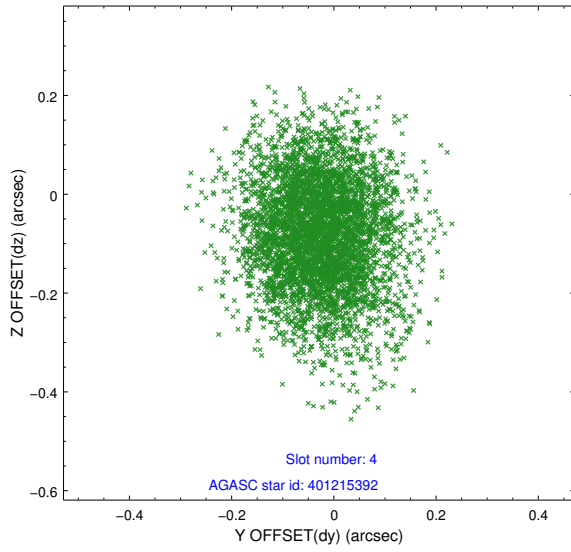
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2231	-0.004	0.232	0.019	0.028	0.000000	0.000000	941.44	-1944.84
1	FID	ACIS-S-2	7.09	2231	-0.120	-0.136	0.020	0.031	0.000000	0.000000	-754.24	-1950.54
2	FID	ACIS-S-6	7.43	2231	0.103	-0.090	0.013	0.019	0.000000	0.000000	406.83	595.43
3	GUIDE	401214608	9.09	4461	0.056	0.088	0.096	0.156	240.801987	37.525959	-1346.76	-2273.38
4	GUIDE	401215392	10.16	4455	-0.025	-0.079	0.137	0.231	241.541943	37.850738	841.01	-1262.53
5	GUIDE	401216840	9.33	4462	0.038	0.083	0.091	0.146	241.372039	37.812153	349.89	-1366.76
6	GUIDE	401225712	9.80	4461	0.074	0.038	0.107	0.179	241.910033	38.778349	2103.79	1999.63
7	GUIDE	401226328	8.22	4461	-0.139	-0.125	0.062	0.098	241.837349	38.829479	1912.57	2197.34

2.4 Star Slots

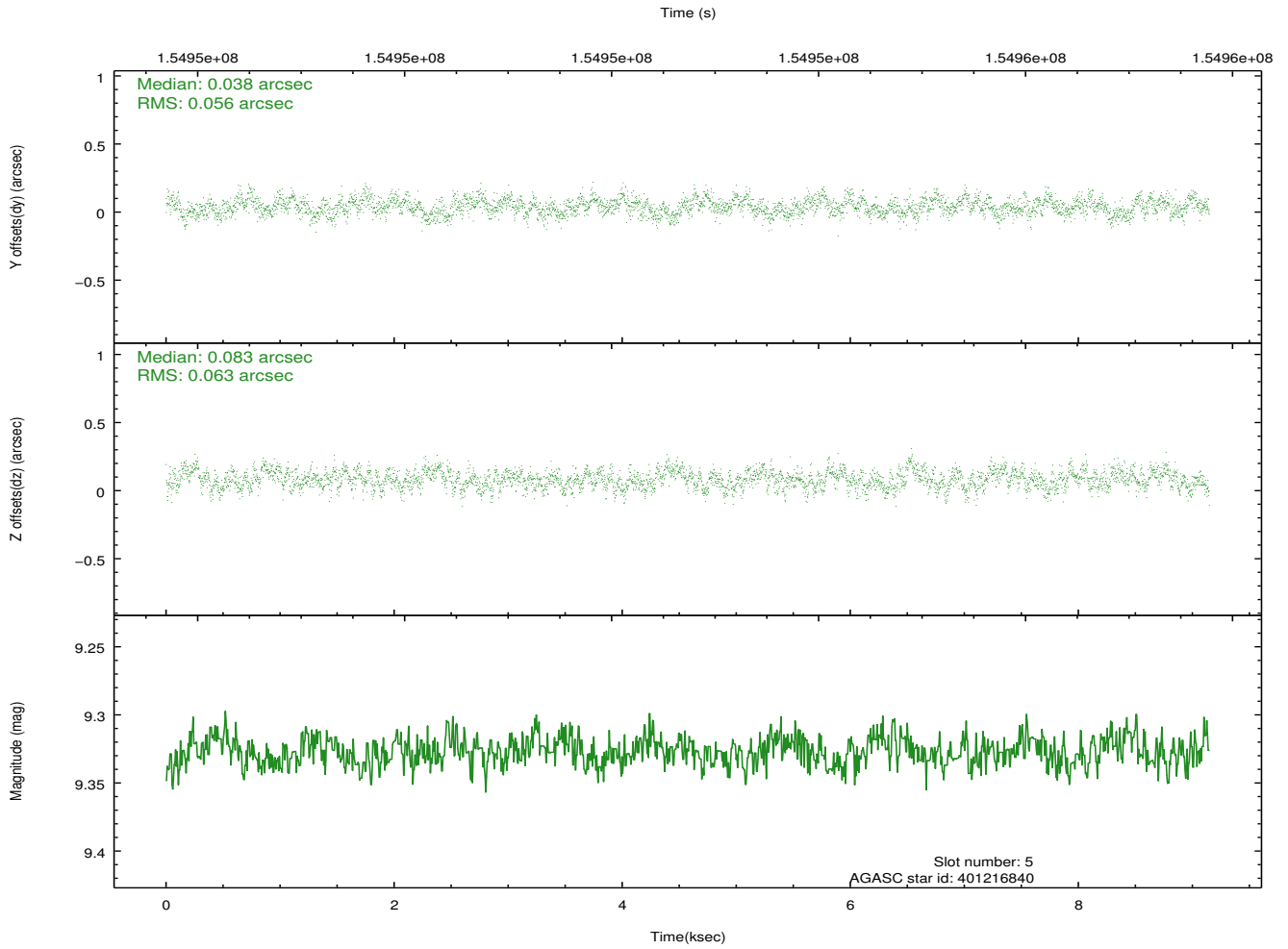
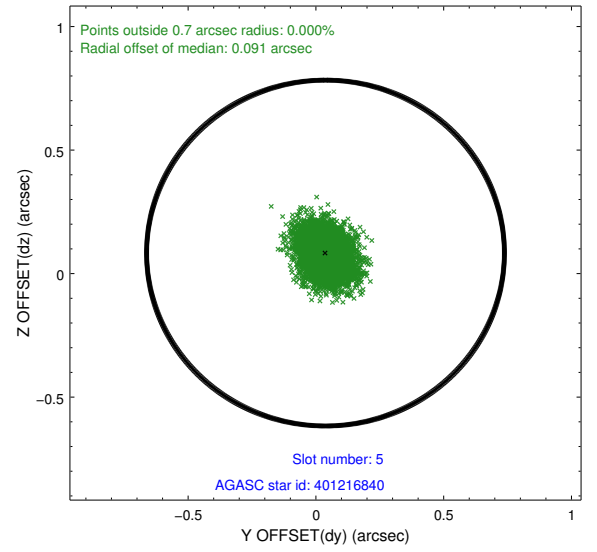
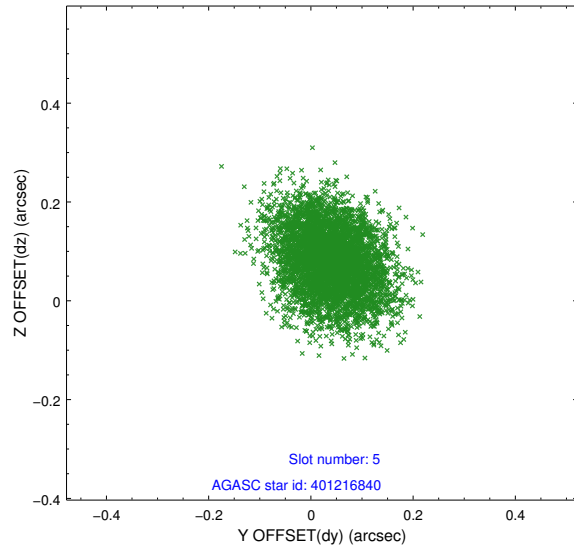
2.4.1 Slot 3



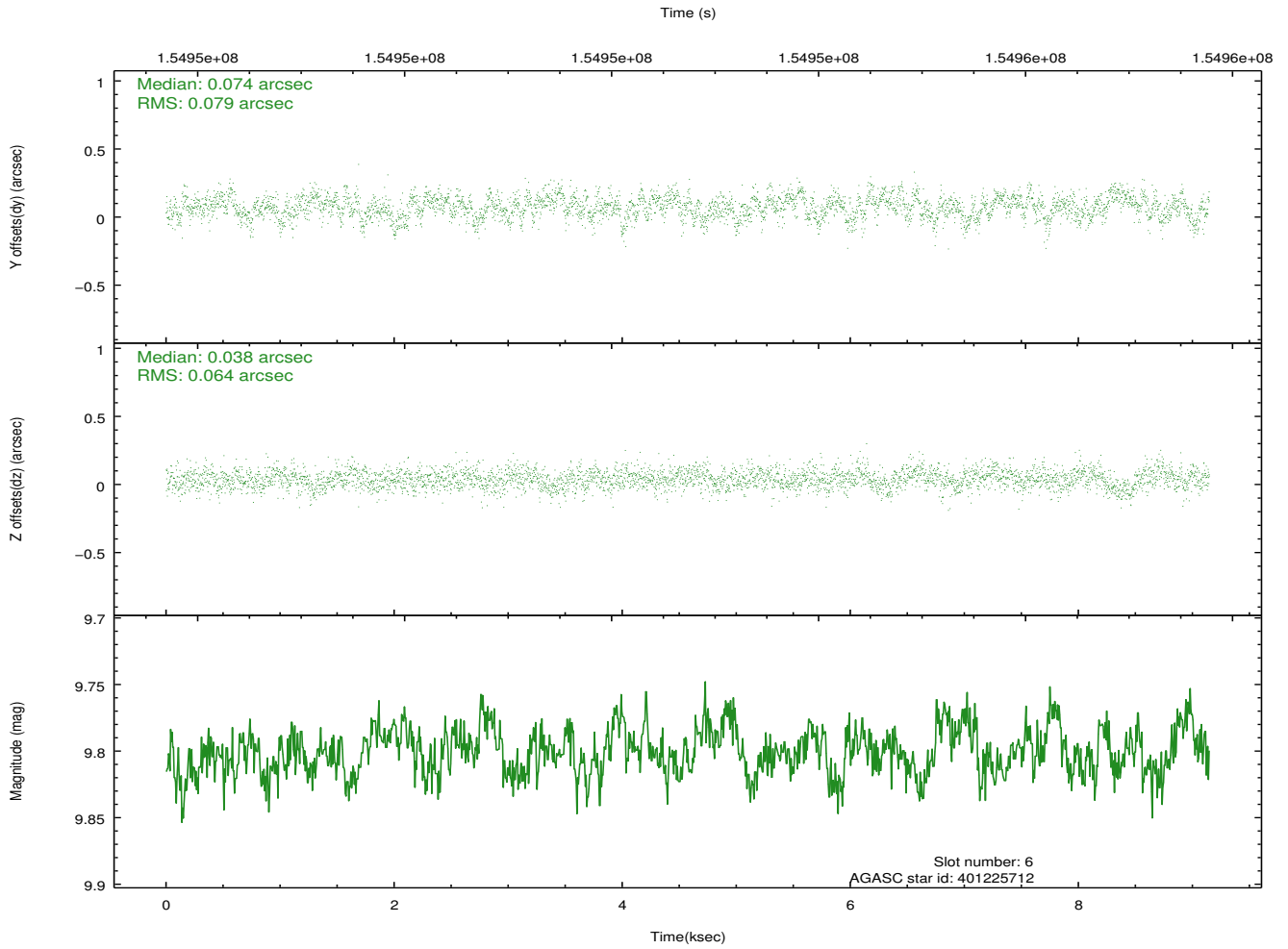
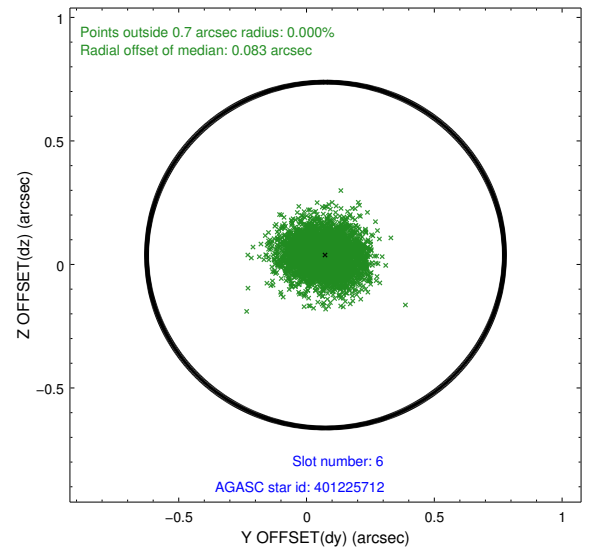
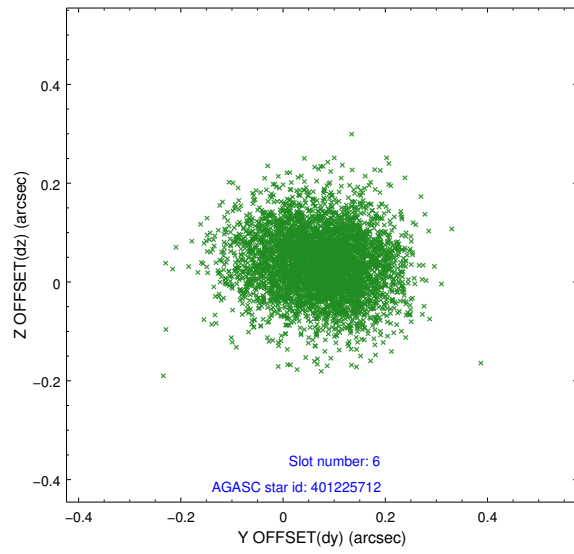
2.4.2 Slot 4



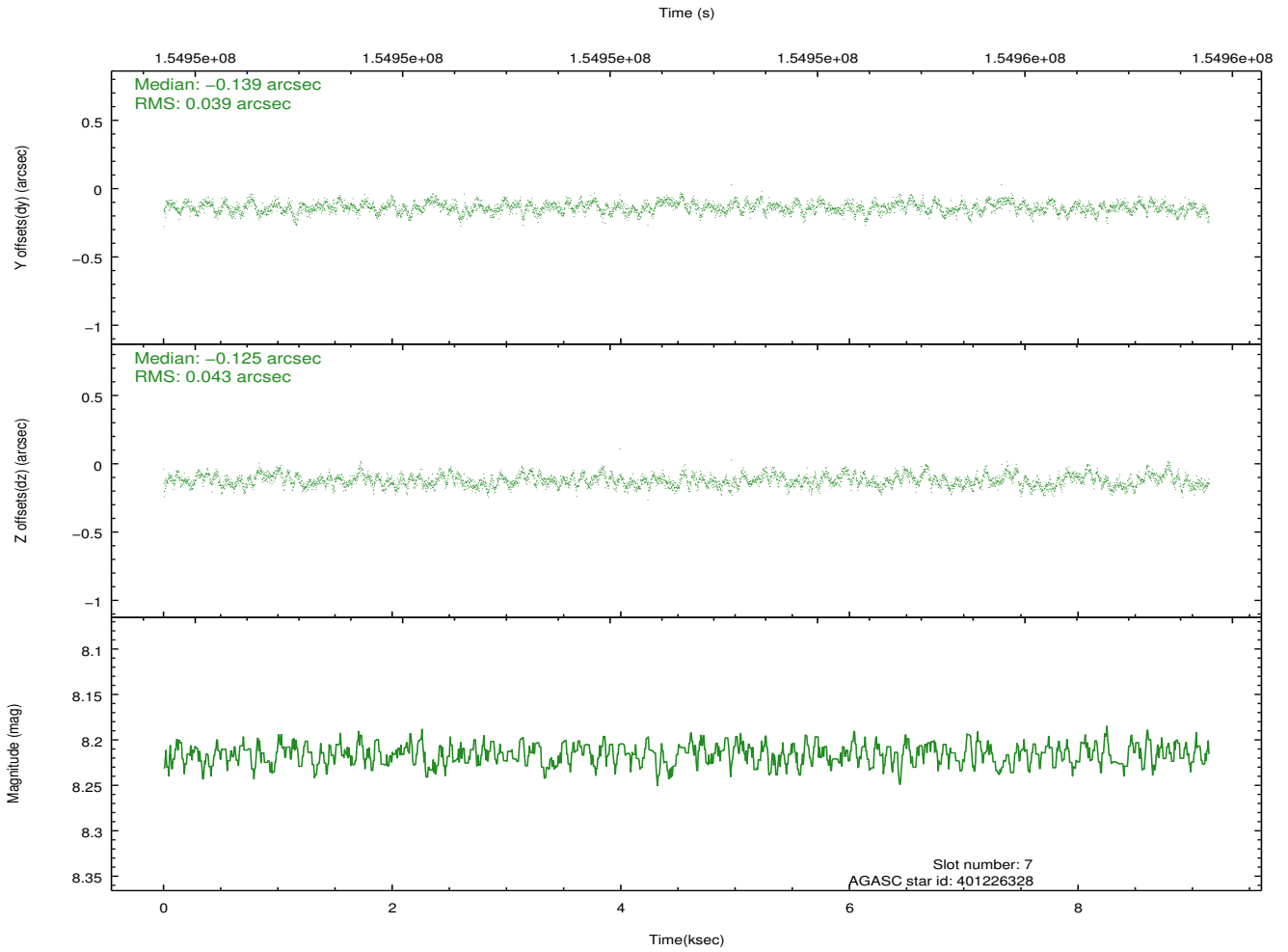
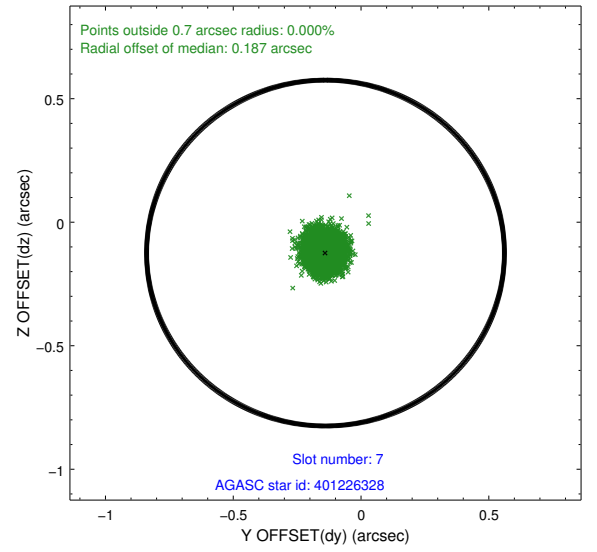
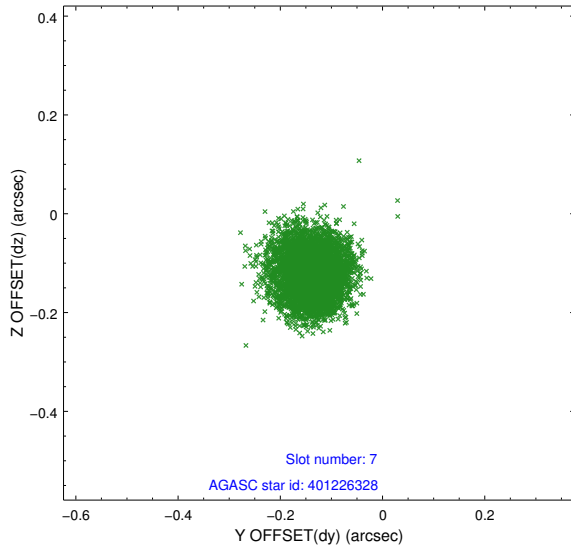
2.4.3 Slot 5



2.4.4 Slot 6

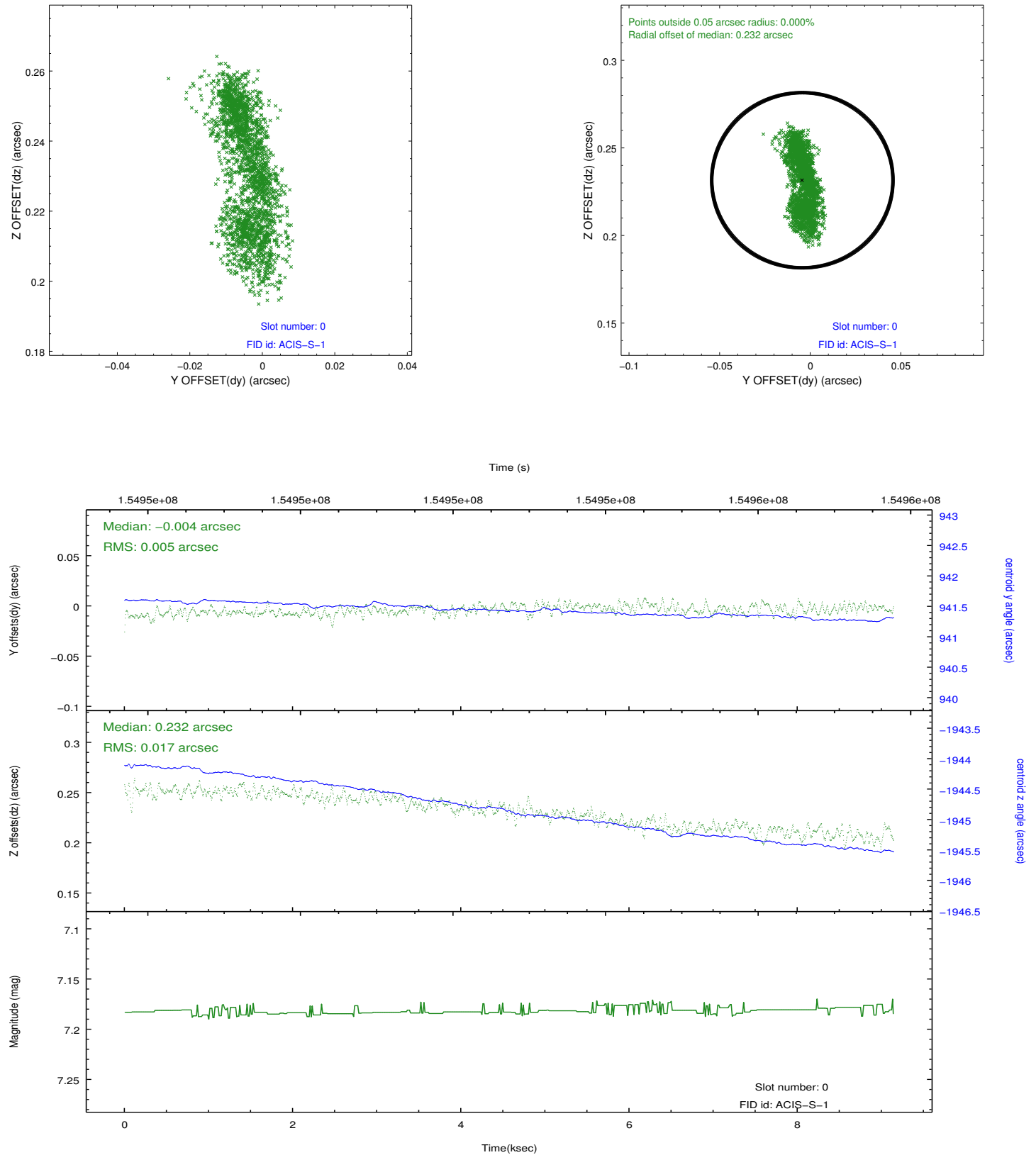


2.4.5 Slot 7

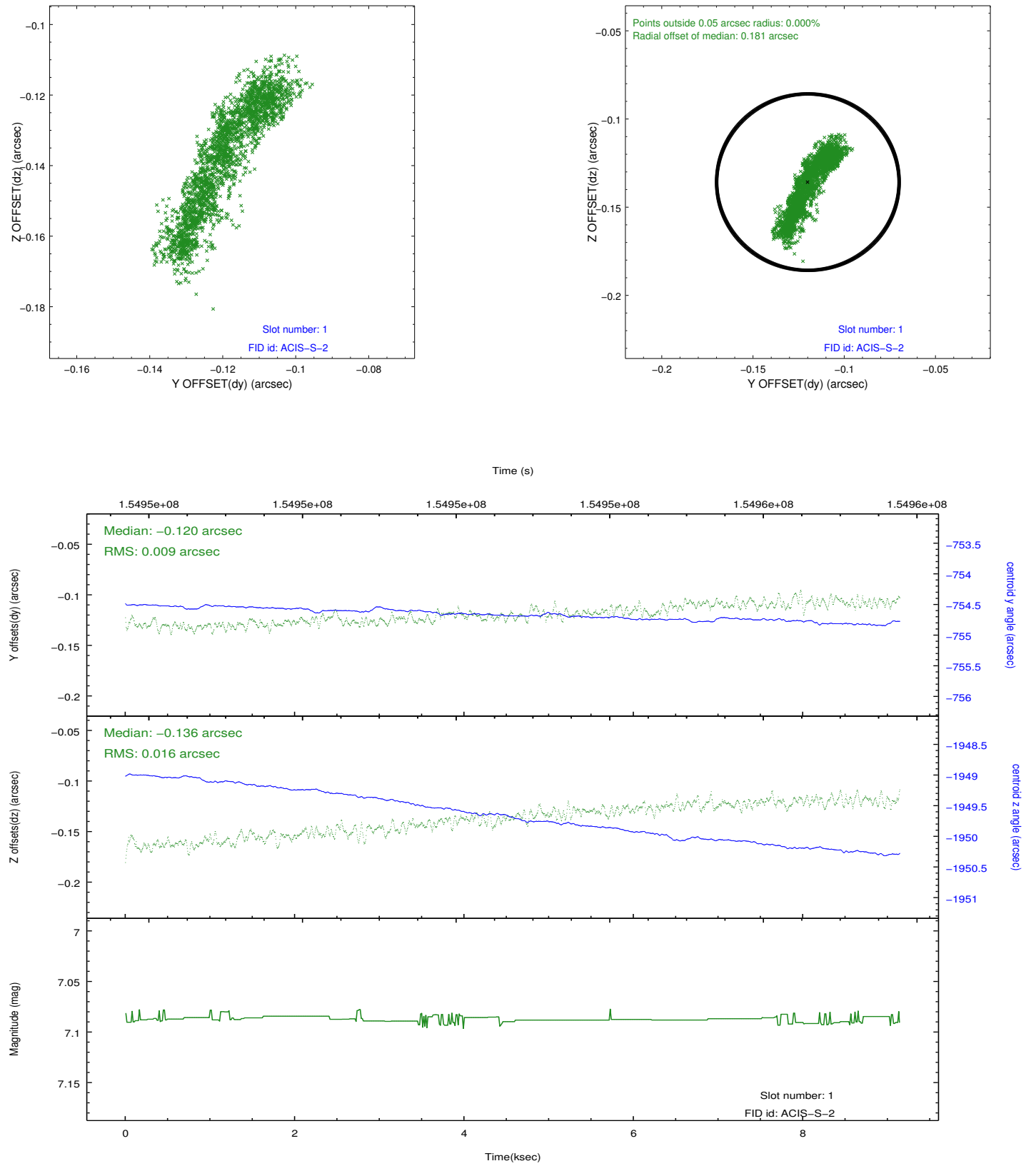


2.5 FID Slots

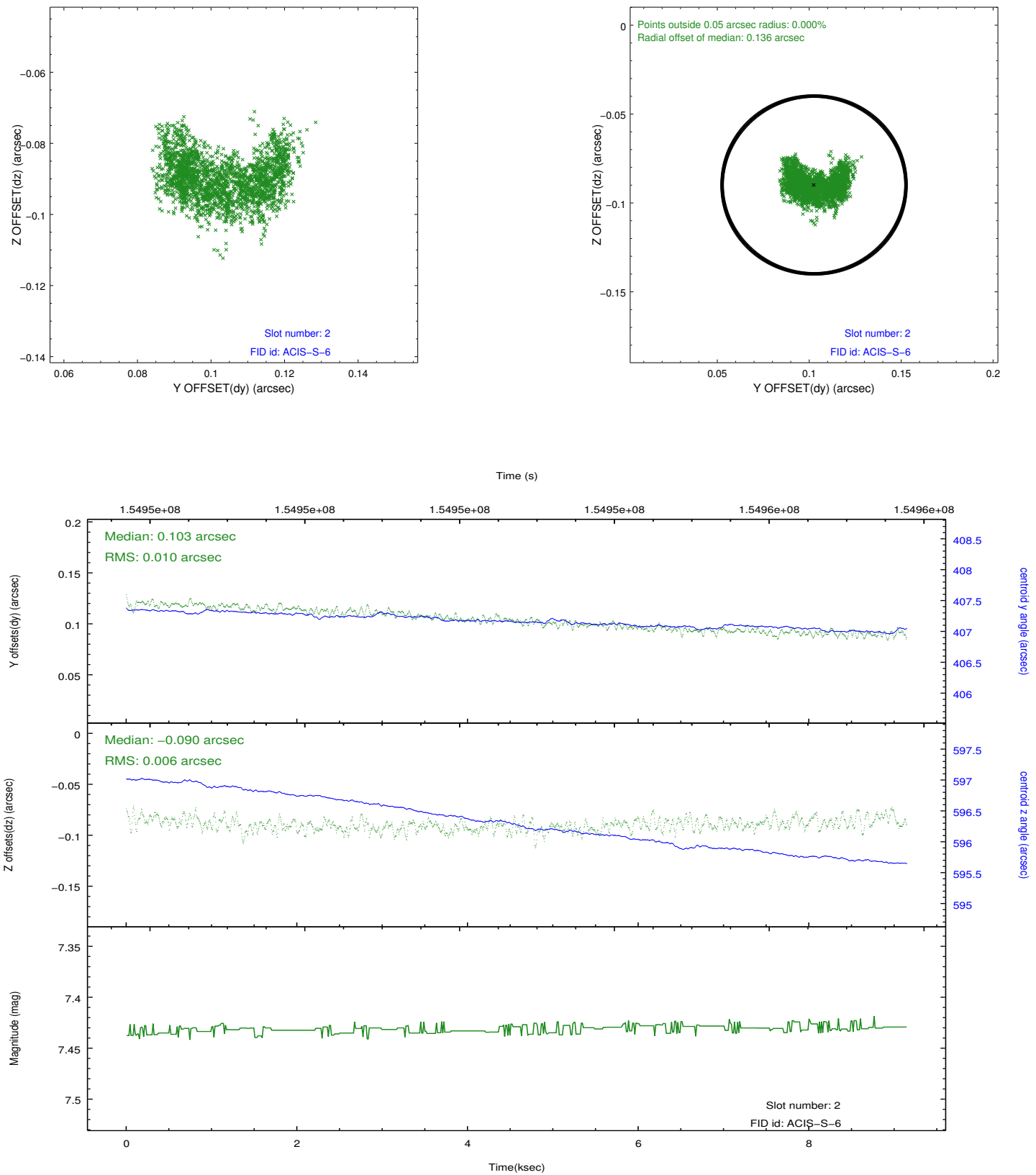
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.146

A.2 Comments

Joint Proposal: NOAO